

Title (en)  
1,3,5-TRIAZINE DERIVATIVE SALTS OF POLYACIDS COMPRISING PHOSPHORUS, SULFUR, AND OXYGEN AND PROCESS FOR PRODUCING THE SAME

Title (de)  
SALZE AUS 1,3,5-TRIAZINDERIVATEN UND POLYSÄUREN DIE PHOSPHOR, SCHWEFEL UND SAUERSTOFF ENTHALTENUND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)  
SELS DE POLYACIDES DERIVES DE 1,3,5-TRIAZINE A BASE DE PHOSPHORE, SOUFRE ET OXYGENE, ET METHODE DE PRODUCTION DESDITS SELS

Publication  
**EP 0974588 B1 20030514 (EN)**

Application  
**EP 98905655 A 19980226**

Priority  
• JP 9800778 W 19980226  
• JP 4921197 A 19970304

Abstract (en)  
[origin: EP0974588A1] A 1,3,5-triazine derivative salt of a polyacid comprising phosphorus, sulfur and oxygen, which has a solubility of from 0.01 to 0.10 g/100 ml in water (25 DEG C) and a pH of from 2.0 to 7.0 as a 10 wt% aqueous slurry (25 DEG C), and which is obtained from the following steps (a) and (b): (a) a step of obtaining a reaction product by mixing melamine, phosphoric acid and sulfuric acid at a temperature of from 0 to 330 DEG C in such ratios that the melamine is from 1.0 to 4.0 mols per mol of the total molar amount of the phosphoric acid (as calculated as orthophosphoric acid content) and the sulfuric acid (as sulfuric acid content), and the sulfuric acid (as sulfuric acid content) is from 0.05 to 20 mols per mol of the phosphoric acid (as calculated as orthophosphoric acid content), and (b) a step of baking the reaction product obtained in step (a) at a temperature of from 340 to 400 DEG C for from 0.1 to 30 hours; and a process for its production.

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IPC 8 full level  
**C08K 5/3492** (2006.01); **C09K 21/12** (2006.01)

CPC (source: EP US)  
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Cited by  
EP1386942A1; AU2005281698B2; DE102015009598A1; WO2006027340A1; US7649038B2; DE102004042833B4; WO2014060003A1; US9505793B2; DE102021119326A1; WO2023006622A1

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